

to the voltage detection point.

13. (Amended) A method for controlling a generator having a diode bridge, comprising the steps of:

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at least temporarily short-circuiting the diode bridge using a transistor, the transistor including an interrupter coupled parallel to the diode bridge; [and]
providing a control signal to a base of the transistor for controlling the generator; and

smoothing a current detected at a voltage detection point using a capacitor.

18. (Amended) The method according to claim 13, further comprising the step of:

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coupling a diode element between the diode bridge and [a] the voltage detection point, the diode element providing a flow of [a] the current only from the generator to the voltage detection point.

Please add the following new claims:

27. (New) A device for controlling a generator, comprising:

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a controlled transistor bridge including:

a plurality of first transistors, and

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one of a second transistor and a freewheeling diode coupled to the plurality of first transistors, wherein the controlled transistor bridge provides a step-up converter function.

28. (New) The device according to claim 27, further comprising:

a capacitor smoothing a current detected at a voltage detection point.

29. (New) A device for controlling a generator, comprising:

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a rectification arrangement including:

a rectifier including a plurality of diodes, and

a set-up converter including a plurality of transistors, each one of the plurality of transistors being coupled to a corresponding one of the plurality of diodes, wherein the plurality of transistors is controlled to enable the rectification arrangement to